

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number
WO 2005/075478 A1

(51) International Patent Classification⁷: **C07D 471/04**,
A61K 31/4188, A61P 29/00.

S. A., Avenida de la Industria 30, E-28108 Alcobendas,
Madrid (ES).

(21) International Application Number:
PCT/US2005/000025

(74) Agents: **TITUS, Robert, D.** et al.; Eli Lilly and Company,
P. O. Box 6288, Indianapolis, Indiana 46206-6288 (US).

(22) International Filing Date: 25 January 2005 (25.01.2005)

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/540,830 30 January 2004 (30.01.2004) US

(71) Applicant (for all designated States except US): **ELI
LILLY AND COMPANY** [US/US]; Lilly Corporate
Center, Indianapolis, Indiana 46285 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BONJOUKLIAN**,
Rosanne [US/US]; 318 Dominion Drive, Zionsville, In-
diana 46077 (US). **HAMDOUCHI, Chafiq, Hamdouchi**
[ES/US]; 14469 Twin Oaks Drive, Carmel, Indiana 46032
(US). **SHIH, Chuan** [US/US]; 12532 Pebblepointe Pass,
Carmel, Indiana 46033 (US). **DE DIOS, Alfonso** [ES/ES];
Lilly, S. A., Avenida de la Industria 30, E-28108 Alcoben-
das, Madrid (ES). **DEL PRADO, Miriam, Filadelfa**
[ES/ES]; Lilly, S. A., Avenida de la Industria 30, E-28108
Alcobendas, Madrid (ES). **JARAMILLO AGUADO**,
Carlos [ES/ES]; Lilly, S. A., Avenida de la Industria
30, E-28108 Alcobendas, Madrid (ES). **KOTIYAN**,
Pramila [IN/US]; 7031 Chesterton Circle, Indianapo-
lis, Indiana 46237 (US). **MADER, Mary, Margaret**
[US/US]; 11188 Avery Row, Fishers, Indiana 46038 (US).
SELGAS, Sheila, Pleite [ES/ES]; Lilly, S. A., Avenida
de la Industria 30, E-28108 Alcobendas, Madrid (ES).
SANCHEZ-MARTINEZ, Concepcion [ES/ES]; Lilly,

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

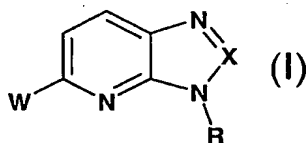
— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report
— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: KINASE INHIBITORS



(57) Abstract: The present invention provides kinase inhibitors of Formula I.

WO 2005/075478 A1